

Forms and Reporting Update

Ron Sherron

March 14th, 2005

Article 15. Forest And Range Management Burns

■ <http://www.azdeq.gov/environ/air/smoke/fires.html>



Protecting public health and the environment

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[Doing Business with ADEQ](#)**BROWSE BY PROGRAM****SMOKE MANAGEMENT: WILDLAND PRESCRIBED FIRES**

ADEQ's Air Quality Division implements a Smoke Management Plan that works toward a reduction in smoke impacts due to prescribed/controlled burning of nonagricultural fuels with particular regard to heavy forest fuels. All state lands, parks, forests, as well as any federally managed lands in Arizona, are under the jurisdiction of ADEQ in matters relating to air pollution from prescribed burning.

- [Arizona Daily Prescribed Fire Approvals](#)
- [Arizona Daily Prescribed Fire Map](#)
- [Arizona Smoke Management Map](#)
- [Prescribed Fires Contact Information](#)
- [Download Forms](#)
- [Forest and Range Management Rules](#)
 - [NEW! Revised Rules Text](#) (Effective March 15, 2004)
 - [Official Arizona Administrative Code](#) ⇅
- [Example Smoke Dispersion Map](#)
- [Selected Program Summaries: Graphical representations of burning activities](#)
 - [Quarterly Number of Arizona Prescribed Fire Request](#)
 - [Annual Prescribed Fire Activity on Arizona Federal, State, and Tribal Land \(1991 - 2002\)](#)
 - [Relative Contribution of Acres Burned Among Fire and Fuel Type \(2000 - 2002\)](#)
 - [Relative Contribution of Arizona Land Management Agencies \(1991 - 2002\)](#)
- [Estimation Model \(SASEM Model\) and Instructions](#)
- [Air Quality and Wildfire Smoke](#)
- [Fires and Regional Haze](#)
 - [Arizona's Regional Haze SIP](#)
 - [Western Regional Air Partnership \(WRAP\) Fire Emissions Joint Forum](#) ⇅
- [Additional Links](#)
 - [Incident Situation Wild Fire Report](#) ⇅
 - [Southwest Coordination Center](#) ⇅

Form Updates

- Burn Accomplishments Form
- Annual Registration Form

Burn Accomplishments Form

- A Burn Accomplishment must be filled out by each burner for each Burn requested.
- Must be submitted to ADEQ by 2 p.m. of the business day following the burn

Burn Accomplishments (cont.)

- The Following information should be included:
 - Any known conditions or circumstances that could impact the Daily Burn decision process
 - Date, location, fuel type, fuel loading, acreage accomplishments.
 - ERT's and SMT's the F/SLM used to reduce emissions or manage smoke from the burn.

Burn Accomplishments Form

Daily Burn Accomplishment Form		Contact Number:	
<i>(Updated 03/04/05)</i>		Contact Name:	
<i>Please submit accomplishment forms the day following ignition. Submit only one accomplishment for per burn for each ignition date.</i>			
BURN NAME:			
BURN NUMBER:			
IGNITION DATE: (MM/DD/YY)			
ACREAGE TREATED: Area for which management objective(s) were achieved.			
ACREAGE BURNED: Area blackened for broadcast burns only, not to exceed the acreage treated.			
ACREAGE ERT(s) USED: Area in which emission reduction techniques were used.			
BURN LOCATION: (TT/RR/SS or SS-SS)			
BURN DURATION: (Hours)			
IGNITION DURATION: (Minutes) Non-piled Activity fuels only			
DEAD FUEL MOISTURE: (%) 10 hour			
DEAD FUEL MOISTURE: (%) 1000 hour			
DUFF FUEL MOISTURE: (%) (OPTIONAL) Natural fuels only			
FUEL MOISTURE METHOD: 1) NFDRS 2) Measured 3) Both			
DAYS SINCE LAST RAINFALL: Non-piled activity fuels only.			
SNOW-OFF DATE: (MM/YY) Non-piled activity fuels only.			
SMT's Permanent Fuel Exclusion <input type="checkbox"/> Temporary Fuel Exclusion <input type="checkbox"/> Increased Combustion Efficiency <input type="checkbox"/> Planned Ignition 3/15-9/15 <input type="checkbox"/> Ignition before 3:00 PM <input type="checkbox"/> Reducing Fuel Production <input type="checkbox"/> Maintenance Burn <input type="checkbox"/> Ignited Under Adequate Ventilation <input type="checkbox"/> Reducing the Area Burned <input type="checkbox"/> Ignition before New Fuels Appear <input type="checkbox"/>			
ERT's Pre-Burn Fuel Removal <input type="checkbox"/> Concentration Burning <input type="checkbox"/> Ungulates <input type="checkbox"/> Under-burn before litter fall <input type="checkbox"/> Burn Before Green Up <input type="checkbox"/> Isolating Fuels <input type="checkbox"/> Pile and Wind Row Burning <input type="checkbox"/> Chemical Treatment <input type="checkbox"/> Mechanical Processing <input type="checkbox"/> Mass Ignition <input type="checkbox"/> Burn During High Fuel Moisture <input type="checkbox"/> Rapid Mop-Up <input type="checkbox"/> Mosaic Burning <input type="checkbox"/> Air Curtain Incinerators <input type="checkbox"/>			
DIURNAL PLUME CHARACTERISTICS:			
REMARKS:			
FUEL INFORMATION (BROADCAST BURNING)			
PRIMARY FUEL TYPE:	1)Ponderosa 2)Ponderosa /Grass 3)Juniper 4)Mixed Conifer 5)Grass		

Daily Burn Accomplishment Form

Contact Number:

Contact Name:

Please submit accomplishment forms the day following ignition. Submit only one accomplishment for per burn for each ignition date.

BURN NAME:

BURN NUMBER:

IGNITION DATE: (MM/DD/YY)

ACREAGE TREATED: Area for which management objective(s) were achieved.

ACREAGE BURNED: Area blackened for broadcast burns only, not to exceed the acreage treated.

ACREAGE TREATED: Area for which management objective(s) were achieved.

ACREAGE BURNED: Area blackened for broadcast burns only, not to exceed the acreage treated.

ACREAGE ERT(s) USED: Area in which emission reduction techniques were used.

DUFF FUEL MOISTURE: (%) (OPTIONAL) Natural fuels only

FUEL MOISTURE METHOD: 1) NFDRS 2) Measured 3) Both

DAYS SINCE LAST RAINFALL: Non-piled activity fuels only.

SNOW-OFF DATE: (MM/YY) Non-piled activity fuels only.

SMT's Permanent Fuel Exclusion ☐ Temporary Fuel Exclusion ☐ Increased Combustion Efficiency ☐
Planned Ignition 3/15-9/15 ☐ Ignition before 3:00 PM ☐ Reducing Fuel Production ☐ Maintenance Burn ☐
Ignited Under Adequate Ventilation ☐ Reducing the Area Burned ☐ Ignition before New Fuels Appear ☐

ERT's Pre-Burn Fuel Removal ☐ Concentration Burning ☐ Ungulates ☐
Under-burn before litter fall ☐ Burn Before Green Up ☐ Isolating Fuels ☐ Pile and Wind Row Burning ☐
Chemical Treatment ☐ Mechanical Processing ☐ Mass Ignition ☐ Burn During High Fuel Moisture ☐
Rapid Mop-Up ☐ Mosaic Burning ☐ Air Curtain Incinerators ☐

DIURNAL PLUME CHARACTERISTICS:

REMARKS:

FUEL INFORMATION (BROADCAST BURNING)

PRIMARY FUEL TYPE: 1)Ponderosa 2)Ponderosa /Grass 3)Juniper 4)Mixed Conifer 5)Grass
6)Shrub/Brush (Includes Chaparral, Oak, and Sage) 7)Mixed Conifer /Shrub /Brush

PRIMARY NFDRS FUEL MODEL: (A-U) FIRE REGIME CONDITION CLASS: (1,2,3)

HARVEST DATE: (If Applicable) MM/YY PRIMARY DUFF TYPE: 1) Black (Litter Type), 2) Red (Rotten Log Type)

SOUND AND ROTTEN (Woody Fuels Only – Do not include piles) **ROTTEN** (Woody fuels only – Do not include piles)

0.0 – 0.25 IN FUELS: (T/A) >3.0 IN FUELS: (T/A)

0.26 – 1.0 IN FUELS: (T/A) **OTHER** (Do not include these fuels in any other category)

1.01 – 3.0 IN FUELS: (T/A) STUMP 20+ IN FUELS: (T/A)

SOUND (Wood fuels only – Do not include piles) SHRUB /BRUSH FUELS: (T/A)

3.01 – 9.0 IN FUELS: (T/A) GRASS /HERB FUELS: (T/A)

9.01 – 20 IN FUELS: (T/A) AVERAGE LITTER DEPTH: (T/A)

>20.0 IN FUELS: (T/A) AVERAGE DUFF DEPTH: (T/A)

FUELS INFORMATION (PILED SLASH)

NUMBER OF PILES PER ACRE: Provide the average number of piles per acre.

TONS OF PILES PER ACRE: Provide the average fuel loading per acre

SOIL IN PILES: (%)

PRIMARY SPECIES: (>50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other

PRIMARY SPECIES: (%)

SECONDARY SPECIES: (<50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other

SECONDARY SPECIES: (%)

QUALITY: 1) Clean, 2) Dirty, 3) Real Dirty

DIMENSIONS: (FT) Provide the average width and height of round piles, as well as the length if elongated

W H L

PACKING RATIO: 1) Ponderosa Pine <10 IN, 2) Short needle conifer, 3) Logs >10 IN

Daily Burn Accomplishment Form

Contact Number: _____

Contact Name: _____

Please submit accomplishment forms the day following ignition. Submit only one accomplishment for per burn for each ignition date.

BURN NAME:	
BURN NUMBER:	
IGNITION DATE: (MM/DD/YY)	
ACREAGE TREATED: Area for which management objective(s) were achieved.	
ACREAGE BURNED: Area blackened for broadcast burns only, not to exceed the acreage treated.	
ACREAGE ERT(s) USED: Area in which emission reduction techniques were used.	
BURN LOCATION: (TT/RR/SS or SS-SS)	
BURN DURATION: (Hours)	
IGNITION DURATION: (Minutes) Non-piled Activity fuels only	
DEAD FUEL MOISTURE: (%) 10 hour	
DEAD FUEL MOISTURE: (%) 1000 hour	
DUFF FUEL MOISTURE: (%) (OPTIONAL) Natural fuels only	
FUEL MOISTURE METHOD: 1) NFDRS 2) Measured 3) Both	
DAYS SINCE LAST RAINFALL: Non-piled activity fuels only.	
SNOW-OFF DATE: (MM/YY) Non-piled activity fuels only.	
SMT's Permanent Fuel Exclusion <input type="checkbox"/> Temporary Fuel Exclusion <input type="checkbox"/> Increased Combustion Efficiency <input type="checkbox"/> Planned Ignition 3/15-9/15 <input type="checkbox"/> Ignition before 3:00 PM <input type="checkbox"/> Reducing Fuel Production <input type="checkbox"/> Maintenance Burn <input type="checkbox"/> Ignited Under Adequate Ventilation <input type="checkbox"/> Reducing the Area Burned <input type="checkbox"/> Ignition before New Fuels Appear <input type="checkbox"/>	

SMT's Permanent Fuel Exclusion ☐ Temporary Fuel Exclusion ☐ Increased Combustion Efficiency ☐
 Planned Ignition 3/15-9/15 ☐ Ignition before 3:00 PM ☐ Reducing Fuel Production ☐ Maintenance Burn ☐
 Ignited Under Adequate Ventilation ☐ Reducing the Area Burned ☐ Ignition before New Fuels Appear ☐

REMARKS:			
FUEL INFORMATION (BROADCAST BURNING)			
PRIMARY FUEL TYPE:		1)Ponderosa 2)Ponderosa /Grass 3)Juniper 4)Mixed Conifer 5)Grass 6)Shrub/Brush (Includes Chaparral, Oak, and Sage) 7)Mixed Conifer /Shrub /Brush	
PRIMARY NFDRS FUEL MODEL: (A-U)		FIRE REGIME CONDITION CLASS: (1,2,3)	
HARVEST DATE: (If Applicable) MM/YY		PRIMARY DUFF TYPE: 1) Black (Litter Type), 2) Red (Rotten Log Type)	
SOUND AND ROTTEN (Woody Fuels Only – Do not include piles)		ROTTEN (Woody fuels only – Do not include piles)	
0.0 – 0.25 IN FUELS: (T/A)		>3.0 IN FUELS: (T/A)	
0.26 – 1.0 IN FUELS: (T/A)		OTHER (Do not include these fuels in any other category)	
1.01 – 3.0 IN FUELS: (T/A)		STUMP 20+ IN FUELS: (T/A)	
SOUND (Wood fuels only – Do not include piles)		SHRUB /BRUSH FUELS: (T/A)	
3.01 – 9.0 IN FUELS: (T/A)		GRASS /HERB FUELS: (T/A)	
9.01 – 20 IN FUELS: (T/A)		AVERAGE LITTER DEPTH: (T/A)	
>20.0 IN FUELS: (T/A)		AVERAGE DUFF DEPTH: (T/A)	
FUELS INFORMATION (PILED SLASH)			
NUMBER OF PILES PER ACRE: Provide the average number of piles per acre.			
TONS OF PILES PER ACRE: Provide the average fuel loading per acre			
SOIL IN PILES: (%)			
PRIMARY SPECIES: (>50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other			
PRIMARY SPECIES: (%)			
SECONDARY SPECIES: (<50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other			
SECONDARY SPECIES: (%)			
QUALITY: 1) Clean, 2) Dirty, 3) Real Dirty			
DIMENSIONS: (FT) Provide the average width and height of round piles, as well as the length if elongated			W H L
PACKING RATIO: 1) Ponderosa Pine <10 IN, 2) Short needle conifer, 3) Logs >10 IN			

Daily Burn Accomplishment Form

Updated 03/04/03

Contact Number: _____

Contact Name: _____

Please submit accomplishment forms the day following ignition. Submit only one accomplishment for per burn for each ignition date.

BURN NAME:	
BURN NUMBER:	
IGNITION DATE: (MM/DD/YY)	
ACREAGE TREATED: Area for which management objective(s) were achieved.	
ACREAGE BURNED: Area blackened for broadcast burns only, not to exceed the acreage treated.	
ACREAGE ERT(s) USED: Area in which emission reduction techniques were used.	
BURN LOCATION: (TT/RR/SS or SS-SS)	
BURN DURATION: (Hours)	
IGNITION DURATION: (Minutes) Non-piled Activity fuels only	
DEAD FUEL MOISTURE: (%) 10 hour	
DEAD FUEL MOISTURE: (%) 1000 hour	
DUFF FUEL MOISTURE: (%) (OPTIONAL) Natural fuels only	
FUEL MOISTURE METHOD: 1) NFDRS 2) Measured 3) Both	
DAYS SINCE LAST RAINFALL: Non-piled activity fuels only.	
SNOW-OFF DATE: (MM/YY) Non-piled activity fuels only.	
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ERT's

Pre-Burn Fuel Removal ☐

Concentration Burning ☐

Ungulates ☐

Under-burn before litter fall ☐

Burn Before Green Up ☐

Isolating Fuels ☐

Pile and Wind Row Burning ☐

Chemical Treatment ☐

Mechanical Processing ☐

Mass Ignition ☐

Burn During High Fuel Moisture ☐

Rapid Mop-Up ☐

Mosaic Burning ☐

Air Curtain Incinerators ☐

HARVEST DATE: (If Applicable) MM/YY		PRIMARY DUFF TYPE: 1) Black (Litter Type), 2) Red (Rotten Log Type)	
<u>SOUND AND ROTTEN</u> (Woody Fuels Only – Do not include piles)		<u>ROTTEN</u> (Woody fuels only – Do not include piles)	
0.0 – 0.25 IN FUELS: (T/A)		>3.0 IN FUELS: (T/A)	
0.26 – 1.0 IN FUELS: (T/A)		<u>OTHER</u> (Do not include these fuels in any other category)	
1.01 – 3.0 IN FUELS: (T/A)		STUMP 20+ IN FUELS: (T/A)	
<u>SOUND</u> (Wood fuels only – Do not include piles)		SHRUB /BRUSH FUELS: (T/A)	
3.01 – 9.0 IN FUELS: (T/A)		GRASS /HERB FUELS: (T/A)	
9.01 – 20 IN FUELS: (T/A)		AVERAGE LITTER DEPTH: (T/A)	
>20.0 IN FUELS: (T/A)		AVERAGE DUFF DEPTH: (T/A)	
FUELS INFORMATION (PILED SLASH)			
NUMBER OF PILES PER ACRE: Provide the average number of piles per acre.			
TONS OF PILES PER ACRE: Provide the average fuel loading per acre			
SOIL IN PILES: (%)			
PRIMARY SPECIES: (>50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other			
PRIMARY SPECIES: (%)			
SECONDARY SPECIES: (<50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other			
SECONDARY SPECIES: (%)			
QUALITY: 1) Clean, 2) Dirty, 3) Real Dirty			
DIMENSIONS: (FT) Provide the average width and height of round piles, as well as the length if elongated			W H L
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SNOW-OFF DATE: (MM/YY) Non-piled activity fuels only.	

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ERT's Pre-Burn Fuel Removal <input type="checkbox"/> Concentration Burning <input type="checkbox"/> Ungulates <input type="checkbox"/> Under-burn before litter fall <input type="checkbox"/> Burn Before Green Up <input type="checkbox"/> Isolating Fuels <input type="checkbox"/> Pile and Wind Row Burning <input type="checkbox"/> Chemical Treatment <input type="checkbox"/> Mechanical Processing <input type="checkbox"/> Mass Ignition <input type="checkbox"/> Burn During High Fuel Moisture <input type="checkbox"/> Rapid Mop-Up <input type="checkbox"/> Mosaic Burning <input type="checkbox"/> Air Curtain Incinerators <input type="checkbox"/>	

DIURNAL PLUME CHARACTERISTICS:
REMARKS:

FUEL INFORMATION (BROADCAST BURNING)			
PRIMARY FUEL TYPE:		1)Ponderosa 2)Ponderosa /Grass 3)Juniper 4)Mixed Conifer 5)Grass 6)Shrub/Brush (Includes Chaparral, Oak, and Sage) 7)Mixed Conifer /Shrub /Brush	
PRIMARY NFDRS FUEL MODEL: (A-U)		FIRE REGIME CONDITION CLASS: (1,2,3)	
HARVEST DATE: (If Applicable) MM/YY		PRIMARY DUFF TYPE: 1) Black (Litter Type), 2) Red (Rotten Log Type)	
<u>SOUND AND ROTTEN</u> (Woody Fuels Only – Do not include piles)		<u>ROTTEN</u> (Woody fuels only – Do not include piles)	
0.0 – 0.25 IN FUELS: (T/A)		>3.0 IN FUELS: (T/A)	
0.26 – 1.0 IN FUELS: (T/A)		<u>OTHER</u> (Do not include these fuels in any other category)	
1.01 – 3.0 IN FUELS: (T/A)		STUMP 20+ IN FUELS: (T/A)	
<u>SOUND</u> (Wood fuels only – Do not include piles)		SHRUB /BRUSH FUELS: (T/A)	
3.01 – 9.0 IN FUELS: (T/A)		GRASS /HERB FUELS: (T/A)	
9.01 – 20 IN FUELS: (T/A)		AVERAGE LITTER DEPTH: (T/A)	
>20.0 IN FUELS: (T/A)		AVERAGE DUFF DEPTH: (T/A)	

FUELS INFORMATION (PILED SLASH)	
NUMBER OF PILES PER ACRE: Provide the average number of piles per acre.	
TONS OF PILES PER ACRE: Provide the average fuel loading per acre	
SOIL IN PILES: (%)	
PRIMARY SPECIES: (>50%) 1) Ponderosa Pine, 2) Douglas Fir, 3) Cottonwood, 4) Aspen, 5) Rotten, 6) Other	
PRIMARY SPECIES: (%)	

Burn Accomplishment Form

- Burn Name
 - Matching Burn Plan and Request
- Burn Number
 - Using three letter designator and four digit number
- Location
 - Complete TRS
- Accomplishments due by 2 PM the following business day.

Annual Burn Registration Form

- All planned burn projects including WFU.
- Each planned year extends from January 1st through December 31st.
- Annual Registrations are due no later than January 31st of each new year.

(Ref. R18-2-1503)

Burn Year

1. Pre-Burn fuel removal	8. Chemical Treatment
2. Concentration Burning	9. Mechanical Processing
3. Ungulates	10. Mass ignition
4. Under-burn before litter fall	11. Burn during high fuel moisture
5. Burn before Green up	12. Rapid Mop-up
6. Isolating fuels	13. Mosaic Burning
7. Pile and wind row burning	14. Air Curtain incinerators

Smoke Management Techniques	
1. Permanent fuel exclusion	8. Ignited under adequate ventilation
2. Temporary Fuel exclusion	9. Reducing the area burned
3. Increased combustion efficiency	10. Ignition before new fuels appear
4. Planned ignition 3/15-9/15	
5. Ignition before 3:00 p.m.	
6. Reducing Fuel Production	
7. Maintenance Burn	

[illegible]

Annual Burn Registration

Annual Prescribed Burn Registration

(Ref. R18-2-1503)

Emission Reduction Techniques

- | | |
|----------------------------------|------------------------------------|
| 1. Pre-Burn fuel removal | 8. Chemical Treatment |
| 2. Concentration Burning | 9. Mechanical Processing |
| 3. Ungulates | 10. Mass ignition |
| 4. Under-burn before litter fall | 11. Burn during high fuel moisture |
| 5. Burn before Green up | 12. Rapid Mop-up |
| 6. Isolating fuels | 13. Mosaic Burning |
| 7. Pile and wind row burning | 14. Air Curtain incinerators |

Smoke Management Techniques

- | | |
|------------------------------------|---------------------------------------|
| 1. Permanent fuel exclusion | 8. Ignited under adequate ventilation |
| 2. Temporary Fuel exclusion | |
| 3. Increased combustion efficiency | 9. Reducing the area burned |
| 4. Planned ignition 3/15-9/15 | 10. Ignition before new fuels appear |
| 5. Ignition before 3:00 p.m. | |
| 6. Reducing Fuel Production | |
| 7. Maintenance Burn | |

Annual Burn Registration (cont.)

Annual Prescribed Burn Registration

(Ref. R18-2-1503)

Contact Person Information:

Agency:

Name:

Address:

Phone:

Burn Year

Emission Reduction Techniques

- | | |
|----------------------------------|------------------------------------|
| 1. Pre-Burn fuel removal | 8. Chemical Treatment |
| 2. Concentration Burning | 9. Mechanical Processing |
| 3. Ungulates | 10. Mass ignition |
| 4. Under-burn before litter fall | 11. Burn during high fuel moisture |
| 5. Burn before Green up | 12. Rapid Mop-up |
| 6. Isolating fuels | 13. Mosaic Burning |
| 7. Pile and wind row burning | 14. Air Curtain incinerators |

Smoke Management Techniques

- | | |
|------------------------------------|---------------------------------------|
| 1. Permanent fuel exclusion | 8. Ignited under adequate ventilation |
| 2. Temporary Fuel exclusion | 9. Reducing the area burned |
| 3. Increased combustion efficiency | 10. Ignition before new fuels appear |
| 4. Planned ignition 3/15-9/15 | |
| 5. Ignition before 3:00 p.m. | |
| 6. Reducing Fuel Production | |
| 7. Maintenance Burn | |

*NBA= Non-Burning Alternative, SMT= Smoke Management Technique, ERT= Emission Reduction Technique, WFU= Wildland Fire Use.

[illegible]

Wildland Fire Use and Wildland Fire Updates

Wildland Fire Reporting

- F/SLM in whose jurisdiction a wildfire occurs shall make available to ADEQ no later than a day after a threshold has been met: the location, an estimate of predominant fuel type and quantity consumed, and an estimate of the area blacked that day.

Wildland Fire (cont.)

■ Reporting Thresholds:

>100 Acres per day in timber or slash fuels

>300 Acres per day in brush or grass fuels

Wildland Fire Use

- F/SLM shall notify ADEQ as soon as practicable of any WFU incident projected to attain a size of 50 acres of timber fuel or 250 acres of brush or grass fuel

WFU (cont.)

- Each incident that has been declared as an WFU the F/SLM shall complete and submit to ADEQ a WFU Burn Plan, as soon as practicable and no later than 72 hours.

WFU Burn Plan

1. An emergency telephone number that is answered 24 hours a day, seven days a week;
2. Anticipated burn prescription;
3. Anticipated smoke management prescription;
4. The estimated daily number of acres, quantity, and type of fuel to be burned;
5. The anticipated maximum allowable perimeter or size with map;
6. Information on the condition of the area to be burned, such as whether it is in maintenance or restoration, its ecological function, and other indicators of fire resiliency;
7. The anticipated duration of the wildland fire use incident;
8. The anticipated long-range weather trends for the site;
9. A map depicting the potential impact of the smoke. The potential impact shall be determined by mapping both the daytime and nighttime smoke path and down-drainage flow for 15 miles from the wildland fire use incident, with smoke-sensitive areas delineated. Mapping is mandatory unless waived either orally or in writing by ADEQ. The map shall use the appropriate scale to show the impacts of the smoke adequately; and
10. Modeling or monitoring of smoke impacts, if requested by ADEQ after consultation with the F/SLM.

WFU (cont.)

- Daily Status Reports shall be submitted to ADEQ for each burn that the fire burns 100 acres for timber or slash; >300 acres for brush or grass
- F/SLM shall include a synopsis:
 - Smoke behavior
 - Future daily anticipated growth
 - Location of the activity

WFU (cont.)

■ Human initiated ignition:

- Consult with ADEQ if ignition is anticipated to grow to more than 250 acres.
- Emergency ignition do not require consultation with ADEQ
- Emergency ignition:
 - Protection of public
 - Fire-fighter safety